

**STATEMENT OF BASIS (AI No. 41176)**

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0115118 to discharge to waters of the State of Louisiana.

**THE APPLICANT IS:** Crescent Ship Service, Inc.  
St. Rose Facility (Ama Landing)  
10105 River Road  
St. Rose, Louisiana 70087

**ISSUING OFFICE:** Louisiana Department of Environmental Quality (LDEQ)  
Office of Environmental Services  
Post Office Box 4313  
Baton Rouge, Louisiana 70821-4313

**PREPARED BY:** Michelle Bickham

**DATE PREPARED:** February 1, 2007

**1. PERMIT STATUS**

**A. Reason For Permit Action:**

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

**B.** LWDPS permit - WP5330  
LWDPS permit effective date: February 14, 1996  
LWDPS permit expiration date: February 13, 2001

**C.** LPDES permit -  
LA0115118  
LPDES permit effective date: May 1, 2002  
LPDES permit expiration date: April 30, 2007  
  
LAR05N241  
LPDES permit effective date: May 24, 2006  
LPDES permit expiration date: April 30, 2011 \*  
(\*The facility was contacted regarding sending in a Notice of Termination for this permit.)

**D.** Date Application Received: October 31, 2007

**2. FACILITY INFORMATION**

**A. FACILITY TYPE/ACTIVITY - crewboat landing and loading dock**

Crescent Ship Service, Inc. is an existing crewboat landing and loading dock. The facility docks boats that are used to ferry personnel and stores (parts, piping, fresh foods) to ships anchored in the Mississippi River.

**B. FEE RATE**

1. Fee Rating Facility Type: minor
2. Complexity Type: I
3. Wastewater Type: III
4. SIC code: 4499

C. LOCATION - 10105 River Road, St. Rose, St. Charles Parish  
Latitude 29°58'21", Longitude 90°17'1"

**3. OUTFALL INFORMATION**

Outfall 001

Discharge Type: treated sanitary wastewater  
Treatment: sewage treatment plant including maceration, screening,  
and disinfection  
Location: at the point of discharge from the sewage treatment  
plant located on the office barge (Latitude 29°58'21",  
Longitude 90°17'01")  
Flow: 1500 gpd  
Discharge Route: directly to the Mississippi River

Outfall 002

Discharge Type: bilge water and stormwater runoff  
Treatment: oil skimmers, oxidation treatment system  
Location: at the point of discharge from the oxidation treatment  
system located on the work barge  
Flow: 4000 gpd  
Discharge Route: directly to the Mississippi River

**4. RECEIVING WATERS**

STREAM - Mississippi River

BASIN AND SEGMENT - Mississippi River Basin, Segment 070301

DESIGNATED USES - a. primary contact recreation  
b. secondary contact recreation  
c. propagation of fish and wildlife  
d. drinking water supply

**5. PROPOSED EFFLUENT LIMITS**

BASIS - See Rationale below.

Changes from Previous Permit:

There have been no changes to this permit.

## 6. COMPLIANCE HISTORY/COMMENTS

### A. Compliance History

An inspection was conducted at the facility on January 13, 2004. The findings were as follows: (1) the facility's permit was current and on-site; (2) the DMR's were satisfactory and were on-site; (3) The permittee was sampling as required by the permit; (4) No excursions were noted on the DMR's.

### B. DMR Review/Excursions

DMR's were reviewed for the last two years. All DMR's were submitted in accordance with the existing permit and only one excursion was noted (1/06, Fecal Coliform, 480 col/100 mL).

## 7. EXISTING EFFLUENT LIMITS

Outfall 001 - treated sanitary wastewater

Parameter	LPDES	
	Monthly Average	Weekly Average
Flow - mgd	Report 1/6 months Est.	Report 1/6 months Est.
BOD	---	45 mg/L 1/6 months Grab
TSS	---	45 mg/L 1/6 months Grab
Fecal Coliform	---	400 col/100 mL 1/6 months Grab
pH	6-9 s.u. 1/6 months Grab	

Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

#### **10. TENTATIVE DETERMINATION**

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in the application.

#### **11. PUBLIC NOTICES**

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

**Rationale for Crescent Ship Service, Inc.**

1. **Outfall 001** - treated sanitary wastewater (estimated flow is 1500 gpd)

<u>Pollutant</u>	<u>Limitation</u> Mo. Avg:Weekly Avg.	<u>Reference</u>
Flow	---:Report	
BOD <sub>5</sub>	---:45 mg/L	LPDES General Permit LAG480000 (BPJ)
TSS	---:45 mg/L	LPDES General Permit LAG480000 (BPJ)
Fecal Coliform	---:400/100mL	LPDES General Permit LAG480000 (BPJ)
pH	6.0 -9.0 s.u.	LPDES General Permit LAG480000 (BPJ)

**Treatment:** sewage treatment plant including maceration, screening, and disinfection

**Monitoring Frequency:** 1/6 months for all parameters at the point of discharge from the sewage treatment plant located on office barge.

**Limits Justification:** Light Commercial Facilities General Permit LAG480000, Schedule A.

2. **Outfall 002** - bilge water and stormwater runoff (estimated flow is 4500 gpd)

<u>Pollutant</u>	<u>Limitation</u> Mo. Avg:Daily Max	<u>Reference</u>
Flow	Report:Report	previous permit
COD	---:100 mg/L	BPJ*
Oil & Grease	---:15 mg/L	BPJ*
pH	6.0 - 9.0 s.u.	BPJ*

**Treatment:** oil skimmers, oxidation treatment system

**Monitoring Frequency:** 1/month at the point of discharge from the oxidation treatment system located on the work barge.

**Limits Justification:** BPJ and previous permit.

\* Existing permits for similar outfalls  
BPJ Best Professional Judgement  
su Standard Units

**NOTE**

For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.

**STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENT**

A SWP3 is included in the permit because in accordance with LAC 33:IX.2511.A.1, storm water shall not be required to obtain an LPDES permit "... except... discharges associated with industrial activity." In accordance with LAC 33:IX.2511.B.14.h, facilities classified as SIC code 4499 are not considered to have storm water discharges associated with industrial activity unless they have "vehicle maintenance shops, equipment cleaning operations, or airport deicing operations." This facility does have some equipment cleaning operations.

The SWP3 shall be prepared, implemented, and maintained within six (6) months of the effective date of the final permit. The plan should identify potential sources of storm water pollution and ensure the implementation of practices to prevent and reduce pollutants in storm water discharges associated with industrial activity at the facility (see Part II of the permit).

**TMDL/303(d) WATERBODIES**

The discharges from Crescent Ship Service, Inc. are to the Mississippi River, Subsegment 070301 of the Mississippi River Basin. Subsegment 070301 is not listed on LDEQ's Final 2004 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.